

SWEATABSORBING POLYESTER FIBER

Patent number: JP55107510
Publication date: 1980-08-18
Inventor: SHIZUKI TATSUHIKO; NANRI SHIYOU SUKE; OONO TERUO
Applicant: TOYO BOSEKI
Classification:
- **international:** D01F6/62; D01F6/62; (IPC1-7): D01F6/62
- **European:**
Application number: JP19790012524 19790205
Priority number(s): JP19790012524 19790205

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PURPOSE: To obtain fibers having improved water absorption itself and pilling resistance after alkali treatment, with a specific cross-sectional shape, by incorporating an independent phase of a polyoxyalkylene glycol (derivative) into a specific modified polyester. **CONSTITUTION:** A polyoxyalkylene glycol (derivative) as a substantially independent phase is incorporated into a modified polyester fibers consisting of ethylene terephthalate repeating units mainly, and 0.5-8wt% of a polyoxyalkylene glycol (derivative) to give hollow or modified cross section fibers. The hollow fibers have a degree of hollowness of 5-60%, and modified cross-section fibers have a modification ratio [S=the length(cm) of the contours of the fiber cross-sections/the cross- sectional area(cm²) of fibers] >=5000/d^{1/2} (d is the denier per fiber). The water and sweat absorption, and light-resistance can be further improved by treatment with an alkali.

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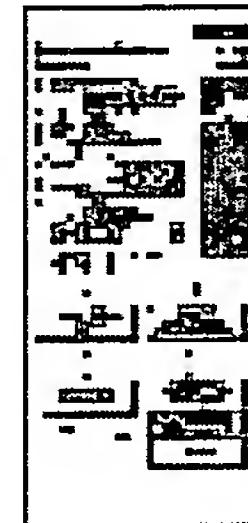
Derwent Title: Sweat-absorbing polyester fibre - contains polyoxyalkylene glycol (deriv.) for improved spinning processability [\[Derwent Record\]](#)

Country: **JP** Japan

Kind: **A**

Inventor: **SHIZUKI TATSUHIKO;**
NANRI SHOSUKE;
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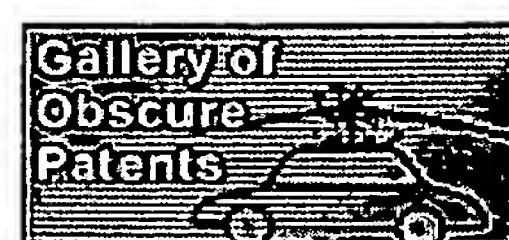
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CONSTITUTION: A polyoxyalkylene glycol (derivative) as a substantially independent phase is incorporated into a modified polyester fibers consisting of ethylene terephthalate repeating units mainly, and 0.5W8wt% of a polyoxyalkylene glycol (derivative) to give hollow or modified cross section fibers. The hollow fibers have a degree of hollowness of 5W60%, and modified cross-section fibers have a modification ratio [S=the length(cm) of the contours of the fiber cross-sections/the cross- sectional area(cm²) of fibers] ≥ 5000/d1/2 (d is the denier per fiber). The water and sweat absorption, and light-resistance can be further improved by treatment with an alkali.

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Family: None

Other Abstract Info: CHEMABS 094(02)004889K



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